

CLAIMS

What is claimed is:

1. 1. A session state method allowing session states to be maintained by sites that run on multiple, load-balanced servers by providing persistent session data distributable across one or more machines over a communications network, comprising:
 4. recalling session information based on a current and corresponding session key upon traversal of a web form segment;
 6. obtaining user provided information via the web form segment;
 7. updating the session information based on the current and corresponding session key;
 8. validating the user provided information;
 9. posting the user provided information to an information server if the user provided information is validated.
1. 2. The method of claim 1, wherein the updated session information based on the current and corresponding session key is updated to a cookie.
1. 3. The method of claim 1, wherein the updated session information based on the current and corresponding session key is updated to a cache.
1. 4. The method of claim 1, wherein the updated session information based on the current and corresponding session key is updated to a session server.
1. 5. The method of claim 1, wherein the updated session information based on the current and corresponding session key is updated to an information server.

1 6. A session state system allowing session states to be maintained by sites that run on
2 multiple, load-balanced servers by providing persistent session data distributable across one
3 or more machines over a communications network, comprising:
4 means for recalling session information based on a current and corresponding session key
5 upon traversal of a web form segment;
6 means for obtaining user provided information via the web form segment;
7 means for updating the session information based on the current and corresponding
8 session key;
9 means for validating the user provided information; and
10 means for posting the user provided information to an information server if the user
11 provided information is validated.

1 7. The system of claim 6, wherein the updated session information based on the current and
2 corresponding session key is updated to a cookie.

1 8. The system of claim 6, wherein the updated session information based on the current and
2 corresponding session key is updated to a cache.

1 9. The system of claim 6, wherein the updated session information based on the current and
2 corresponding session key is updated to a session server.

1 10. The system of claim 6, wherein the updated session information based on the current and
2 corresponding session key is updated to an information server.

1 11. A computer session state program stored on a computer readable medium, the session
2 state program to allow session states to be maintained by sites that run on multiple, load-
3 balanced servers by providing persistent session data distributable across one or more
4 machines over a communications network, comprising:
5 a module to recall session information based on a current and corresponding session key
6 upon traversal of a web form segment;
7 a module to obtain user provided information via the web form segment;
8 a module to update the session information based on the current and corresponding
9 session key;
10 a module to validate the user provided information; and
11 a module to post the user provided information to an information server if the user
12 provided information is validated.

1 12. The medium of claim 11, wherein the updated session information based on the current
2 and corresponding session key is updated to a cookie.

1 13. The medium of claim 11, wherein the updated session information based on the current
2 and corresponding session key is updated to a cache.

1 14. The medium of claim 11, wherein the updated session information based on the current
2 and corresponding session key is updated to a session server.

1 15. The medium of claim 11, wherein the updated session information based on the current
2 and corresponding session key is updated to an information server.

1 16. A session state apparatus to allow session states to be maintained by sites that run on
2 multiple, load-balanced servers by providing persistent session data distributable across one
3 or more machines over a communications network, comprising:
4 a processor;
5 a storage medium, communicatively connected to the processor; and
6 a program, stored in the storage medium, comprising:
7 a module to recall session information based on a current and corresponding session
8 key upon traversal of a web form segment;
9 a module to obtain user provided information via the web form segment;
10 a module to update the session information based on the current and corresponding
11 session key;
12 a module to validate the user provided information;
13 a module to post the user provided information to an information server if the user
14 provided information is validated.

1 17. The apparatus of claim 16, wherein the updated session information based on the current
2 and corresponding session key is updated to a cookie.

1 18. The apparatus of claim 16, wherein the updated session information based on the current
2 and corresponding session key is updated to a cache.

1 19. The apparatus of claim 16, wherein the updated session information based on the current
2 and corresponding session key is updated to a session server.

1 20. The apparatus of claim 16, wherein the updated session information based on the current
2 and corresponding session key is updated to an information server.

1 21. A method, comprising:
2 generating a user session key;
3 providing session information; and
4 associating session information with the session key.

5 22. The method of claim 21, further comprising storing the user session key.

1 23. The method of claim 22, further comprising storing the user session information.

1 24. The method of claim 23, wherein storing the user session information includes an
2 association with the user session key.

1 25. The method of claim 23, wherein storing the user session key includes an association
2 with the information.

1 26. A system, comprising:
2 means for generating a user session key;
3 means for providing session information;
4 means for associating session information with the session key.

5 27. The system of claim 26, further comprising a means for storing the user session key.

1 28. The system of claim 26, further comprising a means for storing the user session
2 information.

1 29. The system of claim 28, wherein storing the user session information includes an
2 association with the user session key.

1 30. The system of claim 27, wherein storing the user session key includes an association with
2 the information.

1 31. A computer program stored on a computer readable medium, the program, comprising:
2 a module to generate a user session key;
3 a module to provide session information;
4 a module to associate session information with the session key.

5 32. The medium of claim 31, further comprising a module to store the user session key.

1 33. The medium of claim 31, further comprising a module to store the user session
2 information.

1 34. The medium of claim 33, wherein the module to store the user session information
2 includes an association with the user session key.

1 35. The medium of claim 32, wherein the module to store the user session key includes an
2 association with the information.

1 36. An apparatus, comprising:
2 a processor;
3 a storage medium, communicatively connected to the processor; and
4 a program, stored in the storage medium, comprising:
5 a module to generate a user session key;
6 a module to provide session information;
7 a module to associate session information with the session key.

8 37. The apparatus of claim 36, further comprising a module to store the user session key.

1 38. The apparatus of claim 36, further comprising a module to store the user session
2 information.

1 39. The apparatus of claim 38, wherein the module to store the user session information
2 includes an association with the user session key.

1 40. The apparatus of claim 37, wherein the module to store the user session key includes an
2 association with the information.

1 41. A method, comprising:
2 generating a user session key;
3 providing the user session key;
4 storing the user session key.

1 42. A system, comprising:
2 means for generating a user session key;
3 means for providing the user session key;
4 means for storing the user session key.

1 43. A computer program stored on a computer readable medium, the program, comprising:
2 a module to generate a user session key;
3 a module to provide the user session key;
4 a module to store the user session key.

1 44. An apparatus, comprising:

2 a processor;

3 a storage medium, communicatively connected to the processor; and

4 a program, stored in the storage medium, comprising:

5 a module to generate a user session key;

6 a module to provide the user session key;

7 a module to store the user session key.

1 45. A method, comprising:

2 providing session information based on a current corresponding session key;

3 storing provided session information.

1 46. The method of claim 45, further comprising recalling of session information specified by

2 traversal.

1 47. The method of claim 45, wherein storage of the provided session information includes a

2 user session key.

1 48. The method of claim 45, further comprising verifying of provided session information.

1 49. A system, comprising:

2 means for providing session information based on a current corresponding session key;

3 means for storing provided session information.

1 50. The system of claim 49, further comprising a means for recalling of session information

2 specified by traversal.

1 51. The system of claim 49, wherein storage of the provided session information includes a
2 user session key.

1 52. The system of claim 49, further comprising a means for verifying of provided session
2 information.

1 53. A computer program stored on a computer readable medium, the program, comprising:
2 a module to provide session information based on a current corresponding session key;
3 a module to store provided session information.

1 54. The medium of claim 53, further comprising a module to recall session information
2 specified by traversal.

1 55. The medium of claim 53, wherein storage of the provided session information includes a
2 user session key.

1 56. The medium of claim 53, further comprising a module to verify of provided session
2 information.

1 57. An apparatus, comprising:
2 a processor;
3 a storage medium, communicatively connected to the processor; and
4 a program, stored in the storage medium, comprising:
5 a module to provide session information based on a current corresponding session
6 key;
7 a module to store provided session information.

- 1 58. The apparatus of claim 57, further comprising a module to recall session information
- 2 specified by traversal.
- 1 59. The apparatus of claim 57, wherein storage of the provided session information includes
- 2 a user session key.
- 1 60. The apparatus of claim 57, further comprising a module to verify of provided session
- 2 information.

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